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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

8571:92

First Named Inventor or Application Identifier

Marc Dubois, et al.

Title: Method and Apparatus for Using a Two-Wave Mixing Ultrasonic  
Detection in Rapid Scanning Applications

Express Mail Label No.

EV 011 384 862 US

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☒ Specification [Pages] 35  
(preferred arrangement set forth below)  
Descriptive title of the Invention  
Background of the Invention  
Brief Summary of the Invention  
Brief Description of the Drawings (if filed)  
Detailed Description

Claim(s) [Pages] 14  
Abstract of the Disclosure [Pages] 1  
Figures [Pages] 17

4. ☒ Oath or Declaration [Total Pages] 5  
(including Supplemental Declaration)  
a. ☐ Unexecuted  
b. ☐ Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 17 completed)

**[Note Box 5 below]**

- i. ☐ **DELETION OF INVENTOR(S)**  
signed statement attached deleting  
inventor(s) named in the prior application  
See 37 CFR §1.63(d)(2) and 1.33(b)/

5. ☐ Incorporation by Reference (useable if Box 4B is checked) The entire disclosure  
of the prior application, from which a copy of the oath or declaration is  
supplied under Box 4b is considered as being part of the disclosure of  
the accompanying application and is hereby incorporated by referenced therein.

6. ☐ Microfiche Computer Program (Appendix)

7. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Copy  
b. ☐ Paper Copy (identical to computer copy)  
c. ☐ Statement verifying identical of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☐ Assignment Papers (cover sheet & Documents(s))
9. ☐ 37 CFR §3.73(b) Statement (when there is an assignee)  
☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/ PTO-1449  
\_\_\_\_\_ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Small Entity Statement(s) (PTO/SB/09-12)\*  
☐ Statement filed in prior application  
Status still proper and desired  
\*A new statement is required to be entitled to pay small entity fees,  
except where one has been filed in a prior application and is being relied  
upon.
15. ☐ Certified Copy of Priority Document(s)  
if foreign priority is claimed)
16. ☐ Other: \_\_\_\_\_

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:  
Prior application information:

**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

22,444

or ☒ Correspondence address below

NAME Hughes &amp; Luce, LLP

ADDRESS 1717 Main Street, Suite 2800

CITY Dallas

STATE

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ZIP CODE

75201

COUNTRY U.S.A.

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Name (Print/Type)

John Schell

Registration No. (Attorney/Agent)

P-50776

Signature

Date

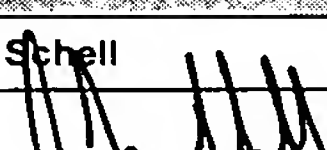
1.30.02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<b>FEE TRANSMITTAL FOR FY 2002</b> Patent Fees are subject to annual revision. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	Not Yet Assigned
		Filing Date	January 30, 2002
		First Named Inventor	Marc Dubois
		Examiner Name	Not Yet Assigned
		Group / Art Unit	Not Yet Assigned
Total Amount of Payment	\$ 2876.00	Attorney Docket No.	8571:92

<b>METHOD OF PAYMENT (check all that apply)</b> <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account No.: 50-1343 Deposit Account Name: Hughes & Luce, LLP The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge any fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below (except for the filing date) to be above identified deposit account.					
<b>FEE CALCULATION</b>					
<b>1. Basic Filing Fee</b>					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility Filing Fee	\$ 740.00
106	330	206	165	Design Filing Fee	\$
107	510	207	255	Plant Filing Fee	\$
108	740	208	370	Reissue Filing Fee	\$
114	160	214	80	Provisional Filing Fee	\$
				<b>Subtotal (1)</b>	<b>\$ 740.00</b>
<b>2. Extra Claim Fees For Utility and Reissue</b>					
Claims		Extra	Fee (below)	Fee Paid	
Total	78 - 20** =	58	x \$ 18/9	= \$ 1044.00	
Indep.	16 - 3** =	13	x \$ 84/42	= \$ 1092.00	
Multiple Dependent				\$	
Large Entity		Small Entity		Fee Description	
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	
				<b>Subtotal (2)</b>	<b>\$ 2136.00</b>
**or number previously paid, if greater. For Reissues, see below					

<b>FEE CALCULATION (continued)</b>					
<b>3. Additional Fees</b>					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late fee or oath	\$
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	
147	2,520	147	2,520	Request for Reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within second month	\$
117	920	217	460	Extension for reply within third month	\$
118	1,440	218	720	Extension for reply within fourth month	\$
128	1,960	228	980	Extension for reply within fifth month	\$
119	320	219	160	Notice of Appeal	\$
120	320	220	160	Filing a brief in support of an appeal	\$
121	280	221	140	Request for oral hearing	\$
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	\$
141	1,280	241	640	Petition to revive - unintentional	\$
142	1,280	242	640	Utility issue fee (or reissue)	\$
143	460	243	230	Design issue fee	\$
144	620	244	310	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	180	126	180	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (times number of properties)	\$
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	\$
179	740	279	370	Request for Continued Examination (RCE)	\$
169	900	169	900	Request for expedited examination of a design application	\$
Other fee (specify):					\$
* Reduced by Basic Filing Fee Paid					
				<b>Subtotal (3)</b>	<b>\$</b>

<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Name (Print/Type)	John Schell	Registration No.	P--50776	Telephone	214-939-5500
Signature				Date	1.30.02